A2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 62 - No. 8 AUGUST, 1984

PAPER AND PAPERBOARD: PRODUCTION RATES AT NEW HIGHS

Producers of paper and paperboard experienced less than normal downtime during the July vacation, maintenance and repair period, and the seasonally adjusted rates of paper and paperboard production moved to new highs. The July trend position of paper production (average of the June-July seasonally adjusted rates) was 34.8 million tons per year; paperboard, 34.6 million tons per year for a total of 69.4 million tons per year. The rate for all grades was 7.8% ahead of the comparable year-ago period and 6.5% above the average rate for all of 1983. The smaller percentage increase over the 1983 average reflects the strong increase in production that occurred in the second half of 1983. The 1983 total production at 65.1 million tons, was considerably higher than the first-half average rate of 63.0 million tons per year.

PAPER: The rate of paper production in the first seven months of 1984 was a record high, with the unadjusted total 8.4% ahead of the 1983 total for the corresponding period. Three of the four major paper grade groups--newsprint, printing-writing papers and packaging & other papers--showed gains that were up to 1.2% greater than the average; tissue paper production showed a gain of 2.8%. (See table on page 3). In some instances, the strength in production was derived from earlier orders, and in these cases the backlog of unfilled orders declined sharply. This was particularly true of the uncoated free sheet grades, where the unfilled order backlog fell from 686,000 tons as of the end of 1983 to 398,000 tons as of the end of July, 1984. While this drop is large in terms of unfilled orders, total new orders for uncoated free sheet papers for this period were at an 8.8 million tons per year rate, only 5% below the rate of shipments. There was also an increase in inventories at printing-writing paper mills of about 100,000 tons, largely in the uncoated free sheet grades.

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Continued from Page 1

The rate of shipments of uncoated free sheet papers in the first seven months of 1984 was about 9.2 million tons per year, equivalent to over 95% of the reported annual capacity. Imports of these grades of paper in the first half of 1984 (latest available data, see page 9) were at the annual rate of 527,000 tons, compared to 236,000 tons for all of 1983. Exports, at 67,000 tons per year, were 8% above their year-ago level, so that the rate of new supply for the first seven months of 1984 was 9.7 million tons per year.

New orders for coated papers and uncoated groundwood papers were above their corresponding shipments totals in the first seven months of 1984. The seasonally adjusted trend of groundwood paper shipments remained flat, while the seasonally adjusted rate of coated paper shipments continued its upward trend. For both these grades the average rate of production was close to capacity, and for both imports were sharply above their year-ago levels. Groundwood paper imports, at an annual rate of over one million tons per year, accounted for 40% of the new supply of that grade, while imports of coated papers, at an annual rate of 330,000 tons, accounted for 5% of the coated paper new supply. Furthermore, the consumption of coated papers in two major markets--magazine publishers and commercial printing--remained strong throughout the first half of 1984.

In sum, there seems to be considerable strength in demand for printing-writing papers, with demand in most major markets at record-high levels that are, for the most part, well above those of the year-earlier period.

Demand for the packaging grades of paper is also showing unusual strength so far this year. As the table on page 3 shows, shipments of kraft papers in the January-July 1984 period were 6.6% above their year-ago level, while production of the other packaging and industrial grades rose 13%. The wrapping and grocers bag and sack grades of unbleached kraft papers showed gains close to the average, while the increase in demand for the other converting grades was untypically much greater.

PAPERBOARD: The strength in the demand for paperboard was well distributed throughout the grade structure. As the table on page 3 shows, production of containerboard for domestic use

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PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Tons)

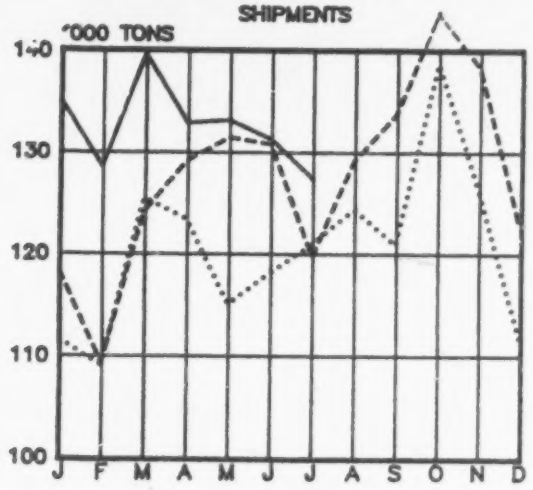
	YEAR 1982	YEAR 1983	APRIL 1984	MAY 1984	JUNE 1984	JULY 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	5042	5187	485	481	468	451	5378	9.3
- Shipments	4988	5153	484	497	461	455	5870	12.4
Printing & Writing	15611	17387	1528	1611	1547	1426	18490	8.7
Groundwood Paper - Shipments	1471	1531	133	133	131	127	1581	7.6
- New Orders	1481	1581	138	117	125	131	1624	7.5
- Unfilled Orders	92	159	184	173	165	172	172	43.9
Coated Paper - Shipments	4974	5696	510	546	524	478	6187	14.5
- New Orders	4841	5886	516	489	542	505	6250	8.2
- Unfilled Orders	322	546	568	508	510	549	549	-6.0
Unctd Free Sheet - Shipments	7855	8[illegible]	757	804	764	707	9230	7.3
- New Orders	7827	9077	697	773	695	675	8790	-3.3
- Unfilled Orders	321	686	522	502	427	398	398	-38.8
Thin Paper - Shipments	329	328	29	29	31	25	345	2.9
Cotton Fiber Paper - Shipments	120	131	13	12	12	9	142	11.7
Bleached Bristols - Production	862	934	87	86	84	80	895	8.8
Tissue Paper - Production	4438	4790	402	412	402	401	4865	2.8
Total Packaging & Other Paper	5300	5633	494	495	472	484	5810	8.7
Unbl. Kraft Paper - Shipments	3688	3807	331	323	318	328	3832	6.8
Other Paper - Production	1812	1828	163	172	156	158	1977	13.2
TOTAL PAPER-Production-Unadj. *	30390	32977	2888	2999	2888	2762	34843	8.4
-Production-S.A. *			2879	2894	2820	2974	34587	7.9
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	22583	24779	2201	2324	2281	2174	26670	8.2
Unbl. Kraft Linerboard (1)	13494	15001	1343	1426	1388	1294	16153	8.7
Production for Export	1931	2281	181	188	180	176	2083	-10.6
Other Unbl. Kraft Paperboard	1040	1121	83	113	107	101	1189	4.7
Semichemical Paperboard	4389	4730	427	436	443	436	5201	12.2
Production for Export	185	193	13	12	10	8	143	-32.4
Solid Bleached Paperboard	3665	3926	348	348	342	344	4117	5.0
Production for Export	525	514	42	37	41	36	482	-12.1
Recycled Paperboard	6476	7398	687	688	673	606	8075	11.2
Production for Export	13	24	1	1	1	1	13	-57.6
TOTAL PAPERBOARD-Prod.-Unadj. *	29065	32177	2888	3012	2954	2780	34745	8.8
- Containerboard Prod.(Dom. Use)	17508	19173	1739	1830	1807	1703	21081	12.6
- Boxboard Prod.(Dom. Use) (2)	5150	5551	506	500	481	475	5945	8.1
- All Other P'bd Prod.(D.U.) (2)	3753	4397	405	449	433	381	4989	16.2
- Total Paperbd Prod. for Export	2654	3012	236	238	233	221	2731	-12.8
TOTAL PAPERBOARD PROD.- S.A. *			2780	2839	2854	2917	34135	8.2
TOTAL PAPER AND PAPERBOARD								
Production - actual *	59458	65154	5778	6011	5842	5543	69588	8.0
Production - S.A. *			5670	5733	5674	5891	68722	8.5

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* NOTE: Year 1984 contains one more day than year 1983.

P Preliminary
R Revised
S.A. Seasonally Adjusted

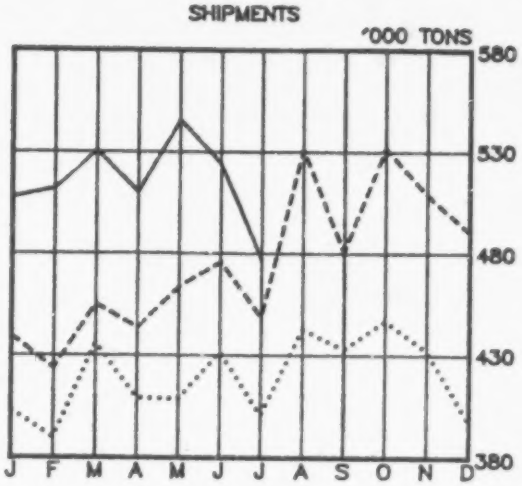
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



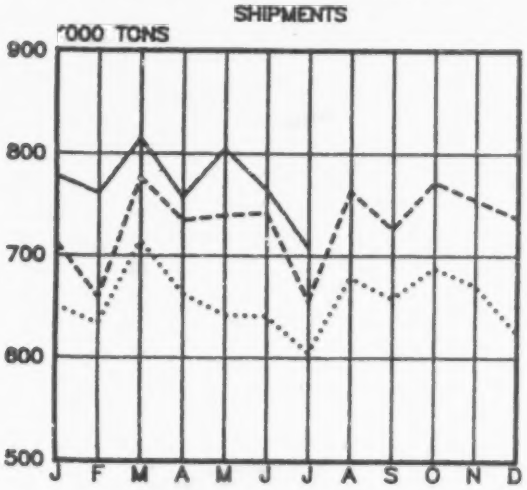
COATED PAPER

SHIPMENTS



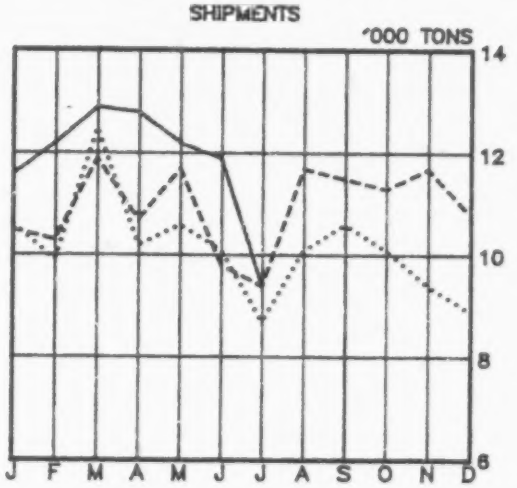
UNCOATED FREE SHEET PAPERS

SHIPMENTS



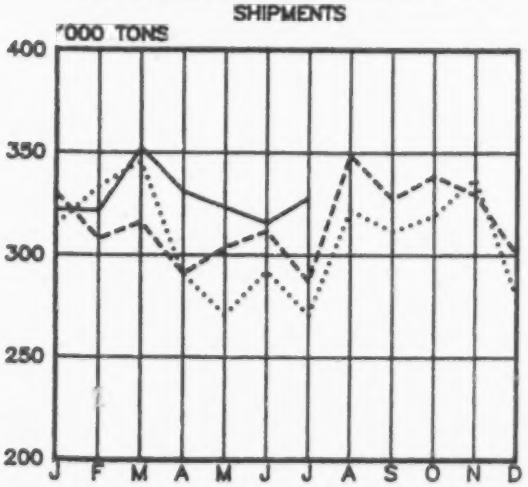
COTTON FIBER PAPER

SHIPMENTS



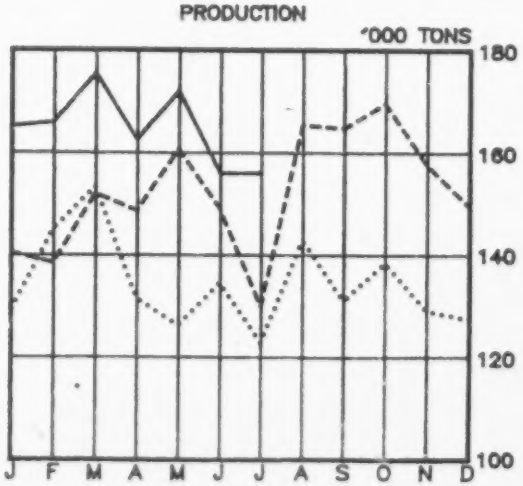
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1982 ····· 1983 - - - - - 1984 ———

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1982	YEAR 1983	MARCH 1984	APRIL 1984	MAY 1984	JUNE 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	49334	52537	4858	4722	4769	4892	58186	7.8
- Imports	3656	4093	341	338	387	360	4388	12.1
- Exports	3385	3644	374	249	336	307	3685	1.4
- New Supply	49585	52986	4825	4811	4820	4745	58868	8.5
Dissolving Pulp - Production	1092	1281	106	117	109	100	1271	-4.4
- Imports	188	192	20	8	17	7	157	-28.5
- Exports	631	647	74	53	47	57	642	1.7
- New Supply	647	808	52	71	80	50	785	-13.8
Paper Grades - Production	39478	42358	3921	3783	3830	3761	45083	7.4
Chemical Pulp - Imports	3302	3706	301	309	349	331	3948	12.2
- Exports	2738	2958	295	182	283	243	2981	1.2
- New Supply	40044	43106	3926	3900	3896	3850	46050	8.2
Groundwood and - Production	5064	5087	466	472	476	482	5823	12.7
Thermo-Mech. - Imports	167	195	20	21	21	22	263	61.4
- Exports	27	40	4	4	7	6	52	4.8
- New Supply	5204	5222	482	489	488	498	5836	14.3
Semi-Chemical - Production	3699	3851	365	351	355	348	4186	8.7
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3698	3851	365	351	355	348	4186	8.7
MARKET WOOD PULP								
Total Market - Production	5732	6478	582	584	561	554	6787	4.8
Wood Pulp - Imports	2443	2945	283	269	274	255	3171	11.9
- Exports	3143	3421	332	281	285	313	3592	3.1
- New Supply	5031	6002	544	572	540	496	6366	9.3
Dissolving Pulp - Production	1089	1260	106	117	110	100	1269	-4.8
- Imports	194	210	21	12	24	11	204	-0.7
- Exports	675	698	83	61	63	61	734	0.4
- New Supply	608	772	44	68	71	50	739	-8.1
Paper Grades - Production	4643	5206	485	467	450	453	5505	7.2
Chemical Pulp - Imports	2202	2698	259	252	242	238	2898	11.4
- Exports	2468	2723	249	220	232	252	2859	3.9
- New Supply	4377	5181	485	498	460	438	5544	11.3
Groundwood Pulp - Production	1	12	1	1	1	2	14	20.7
and All Other - Imports	46	38	3	13	8	8	85	208.1
- Exports	1	0	0	0	0	0	0	0.0
- New Supply	46	49	4	14	8	8	98	153.5

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

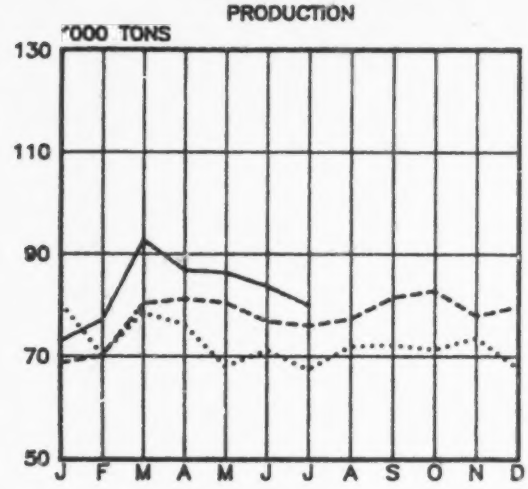
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	61332	65517	6030	5888	6107	5852	70682	9.3
Total Wood Pulp	47767	50978	4646	4535	4710	4558	54684	8.8
Waste Paper	13565	14539	1384	1353	1397	1294	15998	11.0
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	177	170	154	157	146	159	159	-19.0
Market Pulp at Pulp Mills	437	384	324	341	329	319	319	-25.8
Mkt Pulp at Ppr. & Bd. Mills *	429	504	588	618	594	596	596	33.9
Waste Paper at Paper &Bd. Mills	1022	920	896	886	858	870	870	0.0
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	37	28	21	22	21	25	25	-16.7

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

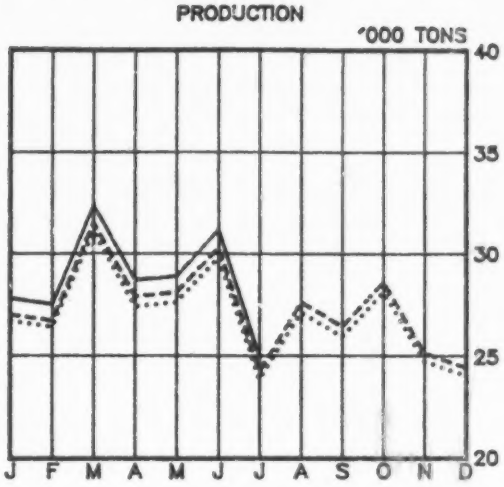
BLEACHED BRISTOLS

PRODUCTION



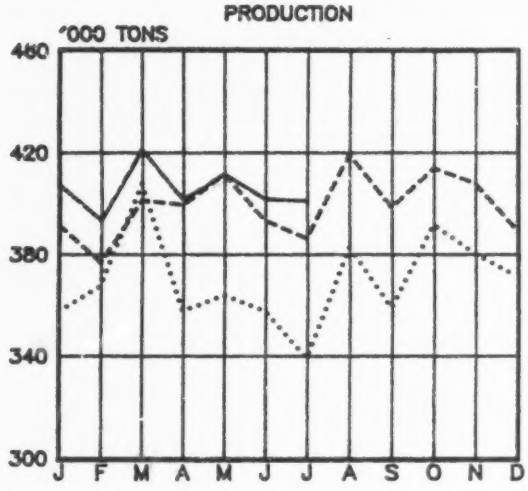
THIN PAPER

PRODUCTION



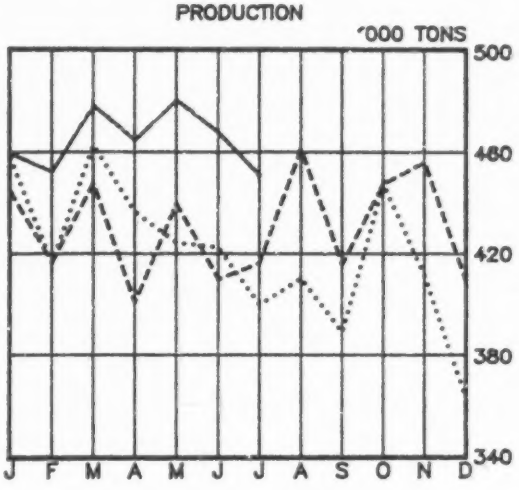
TISSUE PAPER

PRODUCTION



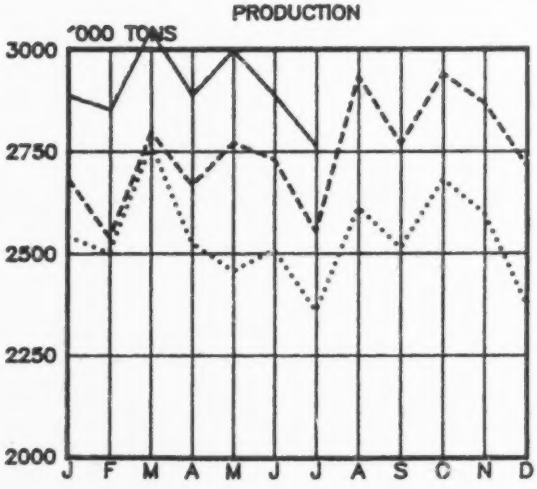
NEWSPRINT

PRODUCTION



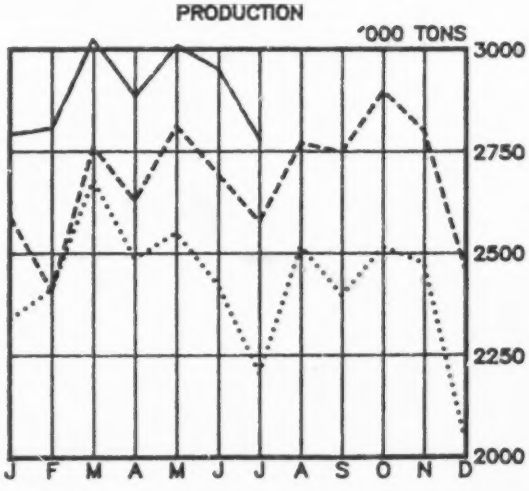
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ——

FIBROUS RAW MATERIALS (Continued)
(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 1982	YEAR 1983	MARCH 1984	APRIL 1984	MAY 1984	JUNE 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78519	84475	7619	7100	7425	7423	88090	6.5
	- Total Consumpt.	78039	85442	7660	7344	7439	7284	88374	4.0
	- Residues *	31152	32755	2876	2755	2817	2652	32934	1.8
	- Inventories	5426	5229	5157	4777	4782	4682	4682	-1.7
So. Atlantic	- Total Receipts	23769	25738	2243	1970	2285	2402	26386	3.5
	- Total Consumpt	23725	25847	2275	2020	2212	2290	26372	1.8
	- Residues *	8273	7904	689	624	715	721	8168	5.6
	- Inventories	1165	1163	1017	900	1033	1080	1080	5.1
Northeast	- Total Receipts	7283	7051	643	535	566	606	7390	9.5
	- Total Consumpt	7221	7274	673	693	586	648	7840	7.8
	- Residues *	1452	1199	113	127	125	113	1386	15.9
	- Inventories	652	577	611	458	410	375	375	-14.8
South Central	- Total Receipts	26510	28409	2625	2634	2638	2705	30782	8.2
	- Total Consumpt	27153	29152	2641	2539	2591	2575	30418	5.2
	- Residues *	9618	9218	762	781	748	769	9000	-1.3
	- Inventories	1346	1536	1350	1375	1381	1426	1426	18.5
North Central	- Total Receipts	5601	6265	633	439	554	582	7034	12.8
	- Total Consumpt	5706	6343	611	552	590	560	6858	6.8
	- Residues *	1517	1822	130	111	146	136	1542	-15.5
	- Inventories	825	851	1030	890	838	821	821	3.0
West	- Total Receipts	15356	16014	1475	1521	1382	1128	16486	4.4
	- Total Consumpt	15234	16826	1460	1540	1460	1191	16886	2.3
	- Residues *	11284	12612	1182	1132	1083	913	12828	3.1
	- Inventories	1338	1102	1149	1153	1122	980	980	-24.4

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA
IMPORTS FROM CANADA

	YEAR 1983 Tons	YEAR 1983 $000	MAY 1984 Tons	MAY 1984 $000	JUNE 1984 Tons	JUNE 1984 $000	Annual Rate Y-T-D 1984	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	155124	7471	17285	1022	11893	605	180208	66.5
Pulpwood Chips	1987168	48979	159236	3597	135223	2992	2504084	28.1
Wood Pulp, Total	3755201	1363975	334127	144240	347754	148587	4016192	13.7
Waste Fibrous Materials, Total	157732	26491	14411	2258	13482	2421	159852	5.6
Paper, Board & Products,Total	8274914	3372726	747705	319242	849271	359401	9055288	12.2
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	8221322	3274062	742036	308865	844218	350006	8890362	12.0
Paper Paperboard & Products	7846516	3277874	712265	311177	812131	351025	8647086	13.1
Paper & Paperboard, Only	7792924	3179310	706595	300800	807076	341631	8582159	13.0
Paper, Total	7633585	3139193	687133	295077	793533	337613	8349849	12.2
Newsprint	6845135	2732234	615912	256831	716102	285467	7471060	11.2
Printing,Writing & Rel.Pap.	695907	348512	60022	31763	66850	35185	753648	18.2
Pack. & Ind. Conv. Paper	78209	48689	8422	5192	8968	5517	106378	39.0
Special Industrial Paper	2732	4473	298	502	275	492	8163	16.3
Tissue Paper	10602	7085	1480	990	1337	953	15600	67.8
Paperboard, Total	159339	40117	18462	5723	13543	4017	232310	54.6
Convtd Paper&Paperbd Products	53592	98664	5870	10377	5055	9395	64927	35.0
Wet Machine Board	3036	1816	200	147	168	106	2588	-22.1
Construction Paper & Board	425362	92836	35240	7918	36972	8270	405635	-4.8

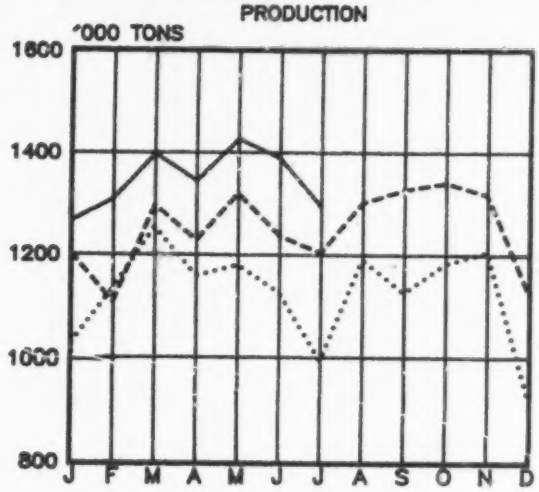
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	88865	4381	7954	473	13135	980	72696	26.2
Pulpwood Chips	38246	2026	5457	234	1743	80	36020	-5.4
Wood Pulp, Total	133633	55369	16749	7872	9675	4600	167586	16.6
Cotton Pulp & Other Pulp	8567	5287	842	525	793	536	11284	38.8
Waste Paper	346809	39478	35751	4028	28094	3380	332378	0.3
Paper, Board & Products,Total	659229	471256	80755	53069	59002	42658	797523	21.4
Paper, Paperboard, Wet Machine Bd & Constr. Paper & Board	448117	306687	62541	37651	43097	28911	580539	28.7
Paper, Paperboard & Products	628109	459325	77508	51530	58403	41556	765618	23.0
Paper & Paperboard, Only	416998	254758	59295	36112	40498	27808	548633	29.5
Paper, Total	230771	210626	36381	26994	20425	18858	316184	33.0
Newsprint	4312	3805	384	416	319	271	5624	58.0
Printing,Writing & Rel.Pap.	125110	101541	14827	13833	8908	8277	141056	12.8
Pack. & Ind. Conv. Paper	34403	20821	5137	2872	2289	1485	46578	30.3
Special Industrial Paper	83390	81389	15819	9481	7759	7592	120193	63.0
Tissue	3556	2988	224	283	152	235	2713	-35.0
Paperboard, Total	186226	84131	22904	8118	20073	8949	232489	25.1
Convtd Paper&Paperbd Products	211112	164568	18214	15417	15908	13748	216984	9.2
Wet Machine Board	5289	2978	854	540	436	306	5547	-17.8
Construction Pap & Bd. E	25831	8955	2392	999	2163	797	26358	-5.2

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

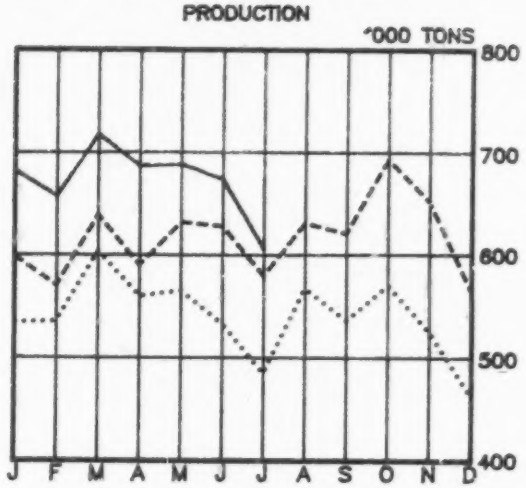
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



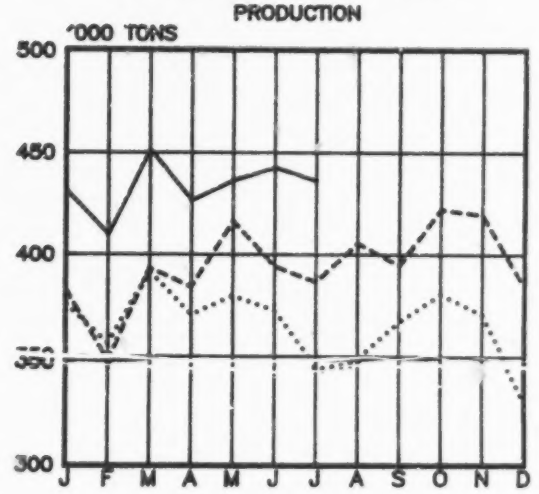
RECYCLED PAPERBOARD

PRODUCTION



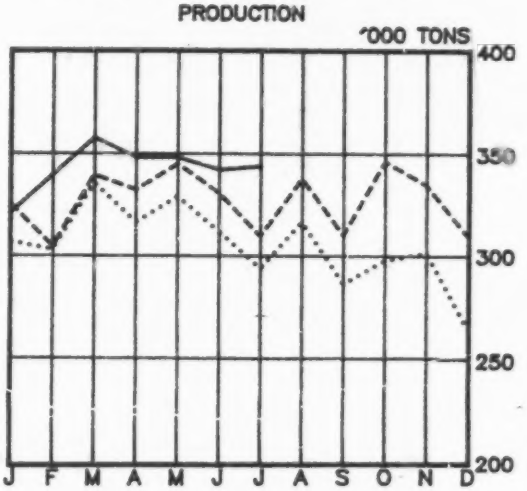
SEMICHEMICAL PAPERBOARD

PRODUCTION



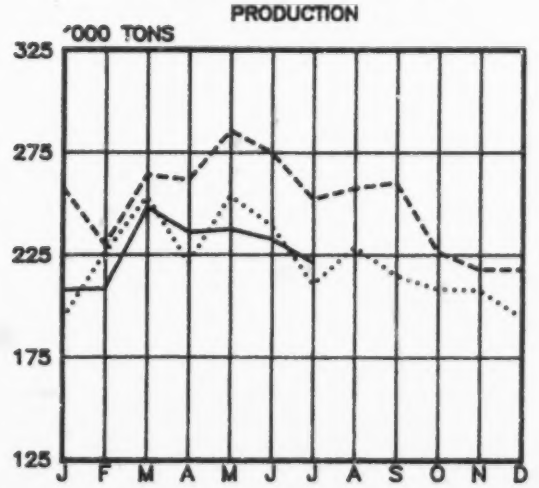
SOLID BLEACHED PAPERBOARD

PRODUCTION



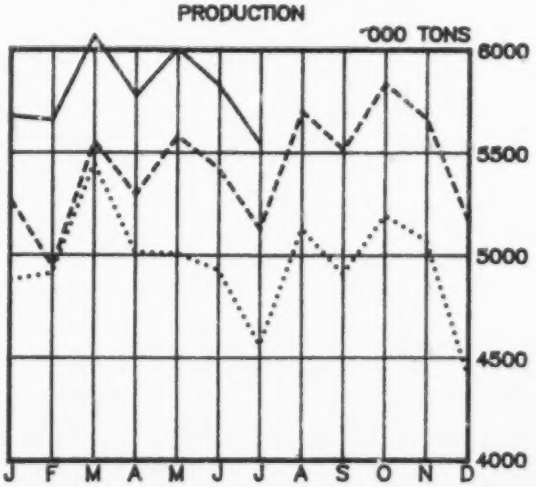
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ———

PULP PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

I M P O R T S

	YEAR 1983 Tons	YEAR 1983 $000	MAY 1984 Tons	MAY 1984 $000	JUNE 1984 Tons	JUNE 1984 $000	(1) Annual Rate Y-T-D 1984	% Change From same Period Last Year
Pulpwood Roundwood (cords)	135124	7471	17345	1032	11983	605	180308	86.6
Pulpwood Chips	1881453	49104	159251	3801	135224	2992	2504426	27.5
Total All Imports	13248280	5528141	1331980	608415	1382987	626679	15281208	20.5
Wood Pulp Total	4093436	1472478	387056	165205	360489	153248	4367522	12.1
Waste Paper	100410	10537	8595	835	12790	1638	115058	25.5
Other Fibrous Materials	68003	24272	6834	2403	6119	2278	70703	0.4
Paper Board & Products Total	8986431	4018855	928675	439972	1003589	469515	10727824	24.4
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	8834560	3582292	909685	395135	987534	427042	10524238	24.0
Paper Prbd & Prds ex Cnst&WMB	8509180	3911591	889511	431016	963486	480391	10276810	26.1
Paper & Paperboard Only	8357309	3475028	870521	386179	847431	417918	10073125	25.7
Paper Total	8188481	3428868	849738	379754	831250	412809	9820941	25.1
Newsprint	6918348	2757524	653970	269867	740473	303970	7685254	13.2
Printing & Writing	1151011	587426	179122	98902	176711	98654	1856318	105.1
Uncoated Groundwood	732237	331017	103143	51007	102888	50788	1042502	82.0
Uncoated Book	154147	88632	21320	13021	17117	11124	270215	98.3
Coated Print.& Impres. Pap	162441	101289	32240	21466	33474	22508	330262	184.2
Bristols	471	557	36	36	71	87	647	81.8
Writing and Similar Paper	81458	46718	18510	10876	16389	9622	256891	411.4
Thin (except Cigarette)	20258	18213	2873	2486	6772	4516	55801	270.7
Total Pkg & Other Paper	107515	75694	14782	8698	12314	8906	160357	57.3
Unbleached Kraft Paper	42013	17454	3102	1398	3359	1663	49388	28.3
Other Pkg. & Indust. Paper	65503	58240	11680	8302	8956	7243	110969	74.1
Tissue	11617	8225	1865	1288	1752	1279	18012	88.4
Paperboard, Total	167818	46160	20783	6425	16181	5109	252184	58.5
Test or Containerboard	48118	13042	5256	1705	4418	1493	73389	46.2
Semi-Chemical Corrugating	69564	14509	9428	2435	5768	1517	110099	78.3
Other Paperboard	50138	18608	6100	2285	5994	2099	68686	38.7
Convtd Paper&Paperbd Products	151872	436563	18980	44837	18055	42473	203685	52.2
Paper Products, Total	124816	373966	18195	39288	13561	36835	174333	61.2
Paperboard Products, Total	27055	62597	2795	5552	2494	5638	28352	14.3
Wet machine Board	3584	2422	244	183	242	167	3313	-9.3
Construction Paper & Board	473867	104842	38820	8772	39860	8957	447801	-4.7
Notes								
Other: No Weight Avail. ($000)		148251		16449		16047	184842	45.0
Total Imports Incl. Other($000)		5674392		624863		642726	7021552	20.8

E X P O R T S

							(1)	
Pulpwood, Roundwood (cords)	69487	4405	7854	473	13135	980	73346	25.1
Pulpwood Chips	2554176	171269	183034	11865	231533	15329	2342614	-8.8
Total All Exports	10888849	4221511	1051082	427516	1015182	416946	11484145	8.1
Wood Pulp,Total	3643963	1362022	336388	145814	308589	133108	3685382	1.4
Cotton Pulp and Other Pulp	102863	69805	8022	4961	7858	6758	91148	-8.1
Waste and Old Paper	2573716	308915	278543	35919	276084	36246	3153526	34.3
Paper, Board & Products,Total	4568407	2480789	430128	240823	424681	240835	4564089	0.2
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3884277	1717788	381359	174877	373172	167528	3955768	-0.8
Paper, Prbd & Prod ex Cnst&WMB	4501039	2448779	422778	236845	418748	237584	4480253	-0.1
Paper & Paperboard, Only	3816910	1885778	374008	170899	367238	164277	3871833	-1.1
Paper, Total	773414	599370	94097	67117	57888	48553	830586	5.5
Newsprint	294870	127118	39628	18049	21177	9210	312376	10.1
Printing & Writing	201798	198304	20624	21597	14219	15947	208508	4.9
Uncoated Groundwood	37288	33300	3057	2758	2140	1937	30022	-11.4
Clay Coated Paper	78182	60033	8036	7069	6077	5302	82236	18.6
Uncoated Free Sheet	59125	71682	7081	8918	4860	6840	66852	8.0
Other Printing & Writing	26202	33310	2451	2851	1142	2068	20398	-23.8
Total Pkg. & Other Paper	260865	255086	32570	25528	20762	21461	290621	1.7
Unbleached Kraft	116170	43227	10587	4360	7566	3026	107364	-10.7
Other Pkg. & Indust. Paper	144695	211859	21984	21168	13198	18435	183257	10.7
Tissue	15881	18861	1275	1841	1730	1936	18080	-1.8
Paperboard, Total	3143486	1086408	278911	103782	309352	115724	3041347	-2.8
Solid Wood Pulp	2993868	1018184	263421	96708	296799	109665	2887950	-3.1
Total Linerboard	2254538	575862	182744	57501	225703	68825	2111708	-4.3
Bleached Kraft Linerboard	180253	64914	6748	3093	9093	3833	125713	2.8
Unbleached Kraft Linerbd	2084285	510948	185995	54408	216611	64992	1985883	-4.7
Other Unbleached Kraft	107141	51822	12820	5203	9559	4693	127218	18.1
Other Bleached Kraft	558431	371357	50325	31709	59651	35450	608423	8.7
Semi-Chemical Corrugating	73758	17144	7533	2294	1885	587	42601	-56.8
Recycled Paperboard	149628	70224	16490	7075	12553	6059	153397	4.1
Convtd Paper&Paperbd Products	584128	783001	48770	65846	51508	73307	608321	8.9
Paper Products, Total	311722	535596	25007	46079	27878	51572	321928	4.3
Paperboard Products, Total	272408	227406	23763	19867	23630	21735	286393	9.8
Wet Machine Board	11622	5420	2185	1049	579	388	13698	-6.4
Construction Paper & Board E	55748	28570	5165	2828	5354	2853	70137	23.3
Notes								
Other: No Weight Avail. ($000)		7965		850		761	7698	14.9
Total Exports Incl. Other($000)		4229475		428167		417707	4592204	8.1

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	1982	1983	APRIL	MAY	JUNE	JULY	Annual Rate Y-T-D 1984	% Change From same Period Last Year
Pulp, Paper and Products except Building Grades	273.2	271.4	290.1	292.7	293.3	295.8	289.2	7.5
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	275.9	273.3	290.6	297.7	293.9	296.3	290.3	8.9
Total Wood Pulp	379.1	347.1	382.5	405.1	407.6	410.8	389.9	13.2
Total Paper	286.3	282.3	300.8	301.3	301.4	307.9	300.2	7.6
Total Paper, exc. Newsprint	278.3	277.0	298.7	300.7	300.9	304.5	298.6	9.6
Newsprint	315.8	303.0	316.0	314.8	314.8	334.7	316.5	6.0
Total Paperboard	254.8	250.8	275.4	276.9	279.1	279.1	273.7	10.8
Total Paper and Paperboard #	276.5	272.4	292.7	293.6	294.4	298.9	291.9	8.5
Converted Products	264.4	265.4	277.7	280.6	280.8	281.9	277.1	4.7
Waste Paper	121.1	158.6	238.8	259.3	257.3	254.7	244.8	94.9
All Commodities	299.3	303.1	311.4	311.7	311.4	312.0	310.6	3.1
Industrial Commodities	312.3	315.7	322.5	323.3	323.9	324.0	322.2	2.5

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

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was up 12.6% in the first seven months of 1984; boxboard for domestic use up 8% and demand for other paperboard for domestic use up 16%. Only export demand was down from year-ago rates, but the production for export in the four months shown in this table was still at a rate that was quite high by historic standards.

The 13% increase in the production of containerboard for domestic use compares with the 9.0% increase in shipments of fibre boxes as reported by the Fibre Box Association. The seasonally adjusted rate of fibre box shipments in the first seven months of 1984 was about 268 billion square feet per year, which compares quite favorably with the record high total of 253 billion square feet shipped in 1983. The major markets for fibre boxes are, of course, in the industrial production sector of the economy. Total industrial production, as measured by the Federal Reserve Board's index, was 13.5% above its year-ago level in the first seven months of 1984, with the important non-durable goods sector up 9.4% (see enclosed Industry Data Sheet). Production of industrial equipment, which includes some important markets for fibre boxes, was up nearly 17%.

Continued on Page 11

Continued from Page 10

Part of the difference between the production of containerboard and shipments of fibre boxes is explained by the growth of inventories. In the first seven months of this year, inventories of containerboard at box plants and paperboard mills increased by 354,000 tons. This brought the inventory level to 7.4 weeks of supply at current holiday-adjusted rates of shipments, compared to 7.2 weeks at the end of 1983 and 7.4 weeks at the end of July 1983.

While production of boxboard for domestic use showed a somewhat smaller gain than did containerboard, the boxboard gain in 1984 of 8% over the first seven months of 1983, which followed an earlier 8% gain from 1982 to 1983, reversed the trend of the preceding ten years. Total boxboard production for domestic use had declined by 14% from 1973 to the recession low of 1982. The first half 1984 rate is estimated to have recovered nearly all that loss, reaching a level within 2% of the 1973 peak. In that earlier year, however, a sizeable part of the total demand reflected excessive inventory accumulation by end users; while inventory increases have escalated somewhat in the first half of this year, the gains are supportable by sales.

The largest gains in the boxboard grades continued in the non-packaging grades, such as gypsum wallboard facings and panelboard, but the production of both folding and set-up boxboard also showed strong gains relative to their past performances. The milk carton and food service grades held close to their year-ago levels for the entire January-July 1984 period, although the July 1984 total was sharply above that of July, 1983. Production of solid bleached paperboard for export, however, was some 12% below its year-ago level.

FIBROUS RAW MATERIALS

Shipments of chemical paper grade market pulp in July 1984 continued the trend evident in the first half of the year, with total shipments showing some increase over year-ago level, and shipments to the domestic markets remaining much stronger than shipments for export. For the entire January-July 1984 period, total shipments of chemical paper grade market pulp were 8% over their corresponding 1983 level; shipments to the domestic market

Continued on Page 12

Continued from Page 11

were up 15% (largely reflecting the strength in production of the printing-writing papers) and shipments for export were up 1.2%. Total production of chemical paper grade market pulp in this period was at the rate of 5.5 million tons per year, 7% above its year-ago level and equivalent to 97% of its reported capacity.

Total wood pulp production in the first half of 1984, as shown in the table on page 5, was at the rate of 56.2 million tons per year, 7.8% above the corresponding 1983 rate and about at its capacity level. The strong demand for wood pulp was also reflected in the rate of imports: total wood pulp imports in this period was at the rate of 4.4 million tons per year, 12% above the year-ago level. The pattern of strong demand was also evident in the trend of inventories, with inventories of both market pulp and own use pulp at producer's mills down sharply, while inventories of purchased pulp at paper and paperboard mills were 34% above year-ago levels as of the end of June 1984, bringing the total to about 1.4 months of supply from 1.0 months a year-ago.